



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Amy DeCloux
Group Art Unit : 1644
Applicant : Pluckthun, Andreas et al.
Serial No. : 09/232,290
Filed : January 15, 1999
For : IMMUNOGLOBULIN SUPER FAMILY DOMAINS AND
FRAGMENTS WITH INCREASED STABILITY

New York, New York
December 1, 1999

Hon. Assistant Commissioner
for Patents
Washington, D.C. 20231

STATEMENT IN SUPPORT OF COMPUTER READABLE
FORM SUBMISSION UNDER 37 C.F.R. § 1.821(e)

Sir:

I hereby state that the copy of the computer readable
form, submitted in the above-identified application in accordance
with 37 C.F.R. § 1.825(e), is the same as the Sequence Listing
filed concurrently herewith.

Respectfully submitted,

Scott Miller

James F. Haley, Jr. (Reg. No. 27,794)
Attorney for Applicants
Scott D. Miller (Reg. No. 43,803)
Agent for Applicants
c/o FISH & NEAVE
1251 Avenue of the Americas
New York, New York 10020
Tel.: (212) 596-9000

I Hereby Certify that this
Correspondence is being
Deposited with the U.S.
Postal Service as First
Class Mail in an Envelope
Addressed to: ASSISTANT
COMMISSIONER FOR
PATENTS
WASHINGTON, D.C. 20231 on

December 1, 1999
Claire J. Saintil
[Signature]
Signature of Person Signing

MORPHO/7

RECEIVED

DEC 13 1999

TECH CENTER 1600/2900

RECEIVED
TECH CENTER 1600/2900
99 DEC 13 AM 8:03

RECEIVED

DEC 20 1999

TECH CENTER 1600/2900

TC 1700 MAIL ROOM

DEC 14 1999

RECEIVED

RECEIVED

DEC 09 1999

TECH CENTER 1600/2900

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/232,290DATE: 12/21/1999
TIME: 00:57:54

INPUT SET: S34297.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

SEQUENCE LISTING

(1) General Information:

Does Not Comply
Corrected Diskette Needed(i) APPLICANT: Pluckthun, Andreas
Nieba, Lars
Honegger, Annemarie

(ii) TITLE OF INVENTION: Immunoglobulin Super Family Domains and Fragments with

(iii) NUMBER OF SEQUENCES: 60

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: James F. Haley, Jr., Esq. c/o FISH & NEAVE
(B) STREET: 1251 Avenue of the Americas
(C) CITY: New York
(D) STATE: New York
(E) COUNTRY: United States of America
(F) ZIP: 10020

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: WO PCT/EP96/02230

(B) FILING DATE?

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: EP 95 10 7914.4
(B) FILING DATE: 23-MAY-1995
(C) APPLICATION NUMBER: WO PCT/EP96/02230
(D) FILING DATE: 23-MAY-1996

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: James F. Haley, Jr., Esq.
(B) REGISTRATION NUMBER: 27,794
(C) ~~DOCKET~~ NUMBER: MORPHO/7
REFERENCE/DOCKET NUMBER

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (212) 596-9000
(B) TELEFAX: (212) 596-9090

INPUT SET: S34297.raw

46

ERRORED SEQUENCES FOLLOW:

156 (2) INFORMATION FOR SEQ ID NO: 4:
157
158 (i) SEQUENCE CHARACTERISTICS:
--> d 159 (A) LENGTH: 113 amino acids
160 (B) TYPE: amino acid
161 (C) STRANDEDNESS: single
162 (D) TOPOLOGY: linear
163
164 (ii) MOLECULE TYPE: protein
165
166
167
168 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
169
170 Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly
171 1 5 10 15
172
173 Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val His Ser
174 20 25 30
175
176 Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
177 35 40 45
178
179 Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
180 50 55 60
181
182 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Tyr Leu Lys Ile
183 65 70 75 80
184
185 Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Phe Cys Ser Gln Ser
186 85 90 95
187
--> 188 Thr His Val Pro Leu Thr Phr Gly Ala Gly Thr Lys Leu Glu Leu Lys
189 100 105 110
190
191 Arg
192 ~~113~~
193
194 delete - number the amino acids under every 5 amino acids

invalid

195 (2) INFORMATION FOR SEQ ID NO: 5:
196
197 (i) SEQUENCE CHARACTERISTICS:
--> d 198 (A) LENGTH: 106 amino acids
199 (B) TYPE: amino acid
200 (D) TOPOLOGY: linear

next page

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/232,290DATE: 12/21/1999
TIME: 00:57:54

INPUT SET: S34297.raw

201
202 (ii) MOLECULE TYPE: protein
203
204
205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
206
207 Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
208 1 5 10 15
209
--> 210 Asp ^(A)Art Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Arg Trp
211 20 25 30
212 *init*
213 Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Leu Ile
214 35 40 45
215
216 Tyr Lys Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
217 50 55 60
218
219 Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
220 65 70 75 80
221
222 Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asn Ser Tyr Ser Phe
223 85 90 95
224
225 Gly Pro Gly Thr Lys Val Asp Ile Lys Arg
226 100 105
227
228

229 (2) INFORMATION FOR SEQ ID NO: 6:
230
231 (i) SEQUENCE CHARACTERISTICS:
232 (A) LENGTH: 108 amino acids
233 (B) TYPE: amino acid
234 (C) STRANDEDNESS: single
235 (D) TOPOLOGY: linear
236
237 (ii) MOLECULE TYPE: protein
238
239
240 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
241
242 Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu ser Ala Ser Val Gly
243 1 5 10 15
244
245 Glu Thr Val Thr Ile Thr Cys Thr Ala Ser Gly Asn Ile His Asn Tyr
246 20 25 30
247
248 Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val
249 35 40 45
250
251 Tyr Tyr Thr Thr Thr Leu Ala Asp Gly Val Pro Ser Arg Phe Ser Gly
252 50 55 60

next page

RAW SEQUENCE LISTING PATENT APPLICATION US/09/232,290

 DATE: 12/21/1999
 TIME: 00:57:55

INPUT SET: S34297.raw

253
 254 Ser Gly Ser Gly Thr Gln Tyr Ser Leu Lys Ile Asn Ser Leu Gln Pro
 255 65 70 75 80
 256
 --> 257 Glu **Aps** Phe Gly Ser Tyr Tyr Cys Gln His Phe Trp Ser Thr Pro Arg
 258 85 90 95
 259
 260 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
 261 100 105
 262
 263
 264

446 (2) INFORMATION FOR SEQ ID NO: 12:

447

448 (i) SEQUENCE CHARACTERISTICS:

--> 449 (A) LENGTH: 114 amino acids
 450 (B) TYPE: amino acid
 451 (C) STRANDEDNESS: single
 452 (D) TOPOLOGY: linear

453

454 (ii) MOLECULE TYPE: protein

455

456

457 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

--> 458
 459 Asp Ile **Cal** Met Thr Gln Ser Pro Ser Ser Leu Thr Val Thr Ala Gly
 460 1 5 10 15
 461
 462 Glu Lys Val Thr Met Ser Cys Thr Ser Ser Gln Ser Leu Phe Asn Ser
 463 20 25 30
 464
 465 Gly Lys Gln Lys Asn Tyr Leu Thr Trp Tyr Gln Gln Lys Pro Gly Gln
 466 35 40 45
 467
 468 Pro Pro Lys Val Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
 469 50 55 60
 470
 471 Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
 472 65 70 75 80
 473
 474 Ile Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Asn
 475 85 90 95
 476
 477 Asp Tyr Ser Asn Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Leu
 478 100 105 110
 479
 480 Lys Arg
 481
 482
 483
 484
 485

RAW SEQUENCE LISTING PATENT APPLICATION US/09/232,290

DATE: 12/21/1999
TIME: 00:57:55

INPUT SET: S34297.raw

2087 (2) INFORMATION FOR SEQ ID NO: 57:
2088
2089 (i) SEQUENCE CHARACTERISTICS:
2090 (A) LENGTH: 113 amino acids
2091 (B) TYPE: amino acid
2092 (D) TOPOLOGY: linear
2093
2094 (ii) MOLECULE TYPE: protein
2095
2096
2097 *+ delete*
2098 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 57:
2099 *insert*
2100 Asp Val Gln Leu Gln Glu Ser Gly Pro Ser Leu Val Lys Pro Ser Gln
2101 1 5 10 15
2102
--> 2103 Thr Leu Ser Leu Thr Cys Ser Val Thr Gly Asp Ser Ile Thr Ser Asp
--> 2104 20 25 30
2105
--> 2106 Tyr Trp Ser Trp Ile Arg Lys Phe Pro Gly Asn Arg Leu Glu Tyr Met
--> 2107 35 40 45
2108
--> 2109 Gly Tyr Val Ser Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu Lys
--> 2110 50 55 60
2111
--> 2112 Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Tyr Tyr Leu
--> 2113 65 70 75 80
2114
--> 2115 Asp Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys Ala
--> 2116 85 90 95
2117
--> 2118 Asn Trp Asp Gly Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser
--> 2119 100 105 110
2120
--> 2121 Ala
--> 2122 ~~113~~
2123

2162 (2) INFORMATION FOR SEQ ID NO: 59:
2163 (i) SEQUENCE CHARACTERISTICS:
2164 (A) LENGTH: 118 amino acids
2165 (B) TYPE: amino acid
2166 (D) TOPOLOGY: linear
2167
2168 (ii) MOLECULE TYPE: protein
2169
2170
2171 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 58:
2172
2173 Glu Val Gln Leu Asp Glu Thr Gly Gly Gly Leu Val Gln Pro Gly Arg
2174 1 5 10 15
2175

*I agree this is due
to above-mentioned
error*

OK
*FYI: All U.S. applications filed on or after July 1, 1998,
and which do not claim a prior U.S. application, must
be in new sequence listing format. See attached sample
Sequence Listing, in new format.*